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INVENTS MAGNETIC GRAIN CLEANER;
PORTABLE GRAIN MILL

MACHINE CLEANS GRAIN BY MAGNETISM -- Znaniye-Sila, No 1, 1950

A grain-cleaning machine, the EMS-1, which operates by magnetism, has been built in one of the agricultural machinery plants. A metal powder is sprinkled over grain which contains weed seeds. The powder adheres to the weed, whose surface is usually rough, leaving the smooth-surfaced grain intact. The machine is equipped with magnets which collect the weed and leave the grain perfectly clean.

PUPS OUT PORTABLE MILL -- Zarya Vostoka, No 5, 7 Jan 50

The Enslil Agricultural Machine-Building Plant, Chelyabinsk Oblast, is now putting out a portable grain mill. The mill, known as the Rekord, weighs 500 kilograms and has a productivity of 5 tons per day. The machines are in wide use on kolkhozes of the oblast; by the end of 1950 several thousand will be in operation.

AID RURAL MECHANIZATION -- Moskovskiy Bol'shevik, No 5, 6 Jan. 50

Rural areas will receive many agricultural machines from Mosobisels'mash plants during 1950. Plans call for the production of 3,000 root-vegetable washers, 1,000 potato mashers, grain cleaners, clover grinders, ploughs, and harrows.

The Zagorsk Plant has made experimental models of the modernized NEM-600 threshers, and will put them into series production after government tests, turning out 300 a year, as well as hundreds of threshers of another type. The Kupavinsk Plant will put out a great number of pumps for the water systems now being installed in kolkhozes, and the Pavlovo-Posadsk enterprise will put out 500 universal flour mills and the same number of overhead trolleys for feed transport.

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BUILD EXPERIMENTAL MODELS OF FORESTATION MACHINES -- Trud, No 275, 22 Nov 49

An experimental DK-1 tractor-drawn trench-cutting machine has been manufactured at the Kishinev Forestry-Machine Building Plant.

This plant has also begun work on models of a tractor-drawn "rooting machine and nest-type tree-planting machines.

PUTES OUT CULTIVATORS -- Zarya Vostoka, No 241, 10 Dec 49

The Tbilisi Agricultural Machinery Plant has put out its first series of horse-drawn cultivators to be used on tea and citrus fruit plantations.

PLANT TO PUT OUT IMPROVED PLOWS -- Leningradskaya Pravda, No 7, 8 Jan 50

The Odessa Agricultural-Machine Building Plant imeni October Revolution will put out improved models of five- and four-section tractor plows.

MAKE TRENCH DIGGERS -- Leninskoye Znamya, No 12, 17 Jan 50

Light trench diggers, manufactured at the Olonets Repair Plant, are being successfully used at kolkhozes.

NEW BEET-SQUEEZING PRESS TO BE BUILT -- Moskovskiy Komsomolets, No 8, 17 Jan 50

In January the Moscow Machine-Building Plant imeni Yaroslavl', Baumanskii Rayon, will produce its first machine for squeezing juice from beets, a continuous-action screw press. These machines, which are exceptionally compact, will replace the bulky and complex slicing units (diffuzionnyye ustanovki) now used in sugar plants.

BUILDS NEW FIRE-FIGHTING MACHINE -- Zarya Vostoka, No 5, 7 Jan 50

The Zhdanov Machinery Plant has completed tests on a new fire-fighting machine known as the Stalinet-1. The machine is for use by MTGs and kolkhozes. The first 1,000 machines will reach field stations of MTGs and kolkhozes by harvest time.

MAKES PEST-FIGHTING SPRAYERS -- Pravda, No 9, 9 Jan 50

The Leningrad Plant imeni Karl Liebknecht is now producing tractor-drawn sprayers for pest-fighting in orchards, vineyards, and forest-preservation tracts.

KOLKHOZES GET NEW EQUIPMENT -- Sovetskaya Litva, No 308, 31 Dec 49

Plants in Ural'sk are providing Lithuania kolkhozes with vast new quantities of sowers, cultivators, ploughs, and harrows. These are distributed through the Liptotrebovuz base in Klaypeda.

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MECHANIZES PRODUCTION OF FARM MACHINERY -- Vechernyaya Moskva, No 7, 9 Jan 50

A new, rapid method for the manufacture of hook chains for agricultural machines has been devised by the Central Institute for the Organization of Labor and Mechanization of Production of the Ministry of Agricultural-Machine Building. Whereas formerly links were stamped individually from separately-cut metal strips and went through six operations before assembling into chains, they are now produced by a specially designed mold which turns out chains at the rate of 3 meters per minute. The cost of production has been reduced tenfold.

The institute has also produced an electric-contact heating machine which prepares metal for pliable stamping. This accelerates production 10-15 times. The first such machine is about to be installed at the Novaya Tula Combine Plant.

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